



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/342,949	06/29/1999	THOMAS A. MYERS	D/99262	7326

7590

11/28/2003

JOHN E BECK
XEROX CORPORATION
XEROX SQUARE 20A
ROCHESTER, NY 14644

EXAMINER

TRAN, DOUGLAS Q

ART UNIT	PAPER NUMBER
----------	--------------

2624

DATE MAILED: 11/28/2003

14

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/342,949

Applicant(s)

MYERS ET AL.

Examiner

Douglas Q. Tran

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10-19 is/are allowed.
- 6) ☒ Claim(s) 1-9 and 20-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 5, 7, 9, 20 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Aiello, Jr. et al. (US Patent No. 6,337,745 B1) and Alimpich et al. (US Patent No. 6,344,859) and Kurozasa (US Patent No. 6,614,546).

As to claim 1, Aiello teaches a graphical user interface (fig. 23) for providing job tickets and print job information comprising:

A depiction of a printer status window including a printer icon (col. 7, lines 28-30: indicates a plurality of printer icon in fig. 8);

A depiction of a job ticket window (i.e., a report queue window 192 in fig. 22) displaying a job ticket for each print job (i.e., job25445 in fig. 22 or job30704 in fig. 23) by selecting the print queue object (i.e., Report Queue option from operations 182 in fig. 160), wherein the job ticket window is displayed when the print queue icon is selected, and wherein each job ticket is associated with a job ticket object (i.e., the view report ticket option from operations 194 in fig. 25) indicating whether there are sufficient resources to complete the print job associated with the job ticket (col. 8, lines 44-48).

Although Aiello teaches each of the windows is displayed when the object option from the menu is selected, Aiello does not teaches each of the window is displayed when the icon is selected. However, Aiello teaches the status of printer is displayed in the

Art Unit: 2624

window when the printer icon is selected (col. 7, lines 28-30: indicates a plurality of printer icon in fig. 8). Therefore, any window is displayed by selecting the icons, which are well known in the art.

Furthermore, Alimpich teaches a depiction of a pathway access window (53 in fig. 4) including a print queue icon (i.e., queues including queues 1 or 2 in 53 of fig. 5); and

Kurozasa teaches the icons of Sort, Side and Paper (fig. 15) are selected for updating the each print job before printing.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of Aiello for a depiction of a pathway access window (53 in fig. 4) including a print queue icon as taught by Alimpich, and the icons of Sort, Side and Paper (fig. 15) are selected for updating the each print job before printing as taught by Kurozasa. The suggestion for modifying the system of Aiello and can be reasoned by one of ordinary skill in the art as set forth above by Alimpich, Kurozasa because such modification allows the window would be flexible to display the various kind of display objects to the screen and the user would easy to recognize the function of objects by the displayed icons.

As to claims 5, Alimpich teaches every feature in claim 1, further teaches the pathway access window further comprises a print engine icon, and wherein a print engine information window showing print engine information is displayed when the print engine icon is selected (i.e., a window in fig. 7 indicates the printer icon 55 with the options such as check status, enable, disable, and properties. It is note that printer icon would be

Art Unit: 2624

considered as a print engine icon because it shows the status of the functions of print engine which would perform the active print job).

As to claim 7, Aiello teaches every feature in claim 1, and further teaches the printer icon includes a depiction of the print engine (col. 7, lines 28-30).

As to claim 9, Aiello teaches the printer status window further comprises a multiuse job progress indicator, including total time, elapsed time, and time remaining for a current print job (see 198 in fig. 25).

As to claim 20, the combination of Alimpich, Aiello and Kurozasa teaches the methods are performed by the apparatus claim 1 as indicated above. Furthermore, Alimpich teaches the pathway access window displaying first icon indicating that resources are available to complete print jobs for job tickets, where resources are sufficient; and second icon indicating that resources are unavailable to complete print jobs for job tickets, where resources are insufficient (i.e., a window in fig. 7 displays the printer icon 55 with the options such enable icon, disable icon indicates the sufficient and insufficient resources for a printer and each print job).

As to claim 26, Kurozasa teaches a detailed job information window, which appears when one of the job ticket icons is selected, wherein the job information window includes job information associated with each job ticket not shown in the job ticket window (please see fig. 14 and fig. 15 for print job #3).

3. Claims 2-4, 6, 8 and 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Alimpich, Aiello and Kurozasa, in view of claim 1, and in view of Manglapus et al. (US Patent No. 6,219,151 B1).

Art Unit: 2624

As to claims 2-4, the combination of Alimpich and Aiello teaches every feature in claim 1. However, the combination of Alimpich, Aiello and Kurozasa does not explicitly teaches the print job information comprises required stock information, finishing information and resources information.

Manglapus teaches the print job information comprises required stock information, finishing information and resources information (col. 10, lines 26-29).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the displaying of the systems of Alimpich, Aiello and Kurozasa for displaying the status of the print job including stock, finishing and resources information as taught by Manglapus. The suggestion for modifying the system of Alimpich, Aiello, Kurozasa can be reasoned by one of ordinary skill in the art as set forth by Manglapus because Manglapus provides the printing system which allows a user to keep track the status of the printer because any status of the print engine is reported to the user computer.

As to claims 6 and 8, Alimpich teaches the print engine information includes toner levels in the printing system and wherein the print engine information window includes an insufficient resources icon (i.e., disable icon from the printer icon 55 in fig. 7; It is note that printer icon would be considered as a print engine icon because it shows the status of the functions of print engine which would perform the active print job).

However, Alimpich does not teach the disable icon indicates insufficient toner to complete one of the print jobs.

Manglapus teaches the print job information indicates insufficient toner to complete one of the print jobs (col. 10, lines 26-29).

Art Unit: 2624

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the displaying of the systems of Alimpich, Aiello and Kurozasa for displaying the status of the insufficient resources information as taught by Manglapus. The suggestion for modifying the system of Alimpich, Aiello, Kurozasa can be reasoned by one of ordinary skill in the art as set forth by Manglapus because Manglapus provides the printing system which allows a user to keep track the status of the printer and the print job because any status of the print engine is reported to the user computer.

As to claims 21-25, the combination of Alimpich, Aiello, Kurozasa and Manglapus teach the methods are performed by the apparatus claims 2-4 as indicated above.

Allowable Subject Matter

4. Claims 10-19 are allowed.

Claims 10 and 15 are independent claims.

The following is an examiner's statement of reasons for allowance:

As to claims 10 and 15, the prior arts, taken either singly or in combination, does not teach a print engine system having a plurality of exposure units including a first exposure unit exposing a photoconductive belt to create an electrostatic latent image based on the received image data at the direction of the system controller; and a fuser assembly receiving the support material from the transfer unit and permanently affixing the toner to the sheet of support material, and a cleaning unit cleaning the photoreceptor belt.

Response to Arguments

Applicant's arguments filed 8/18/03 have been fully considered but they are not persuasive.

Applicant asserted on page 3 that "the Examiner has failed to show that the combination of references teaches or suggests all the limitations of claim 1. For example, in claim 1, Applicants recites " a depiction of a job ticket window displaying a job ticket for each print job by selecting the print queue icon, each job ticket is associated with a job ticket icon indicating whether there are sufficient resources to complete the print job associated with the job ticket " In reply, A depiction of a printer status window including a printer icon (col. 7, lines 28-30: indicates a plurality of printer icon in fig. 8). A depiction of a job ticket window (i.e., a report queue window 192 in fig. 22) displaying a job ticket for each print job (i.e., job25445 in fig. 22 or job30704 in fig. 23) by selecting the print queue icon (i.e., Report Queue option from operations 182 in fig. 160), wherein the job ticket window is displayed when the print queue icon is selected, and wherein each job ticket is associated with a job ticket icon (i.e., the view report ticket option from operations 194 in fig. 25) indicating whether there are sufficient resources to complete the print job associated with the job ticket (col. 8, lines 44-48). Although Aiello teaches each of the windows is displayed when the object option from the menu is selected, Aiello does not teaches each of the window is displayed when the icon is selected. However, Aiello teaches the status of printer is displayed in the window when the printer icon is selected (col. 7, lines 28-30: indicates a plurality of printer icon in fig. 8). Therefore, any window is displayed by selecting the icons, which are well known in the

Art Unit: 2624

art. Alimpich, in the same field endeavor, teaches a depiction of a pathway access window (53 in fig. 4) including a print queue icon (i.e., queues including queues 1 or 2 in 53 of fig. 5); and Kurozasa teaches the icons of Sort, Side and Paper (fig. 15) are selected for updating the each print job before printing. Therefore, Alimpich and Kurozasa can modify to the deficiencies of the system of Aiello.

Applicant asserted on page 4 that “Specifically, the job report cited by the Examiner does not indicate whether there are sufficient resources to complete a particular print job” In reply, Alimpich teaches a window in fig. 7 indicates the printer icon 55 with the options such as check status, enable, disable, and properties. It is note that printer icon would be considered as a print engine icon because it shows the status of the functions of print engine which would perform the active print job. Furthermore, Aiello teaches the job ticket window is displayed when the print queue icon is selected, and wherein each job ticket is associated with a job ticket object (i.e., the view report ticket option from operations 194 in fig. 25) indicating whether there are sufficient resources to complete the print job associated with the job ticket (col. 8, lines 44-48).

Applicant asserted on page 5 that “The Examiner has pointed to no part of Manglapus et al. that discloses an icon indicating whether sufficient resources are available to complete a print job. As the Examiner has failed to show that combination of references teaches all the limitations of Applicants’ claims, the Examiner has failed to make a prima facie case of obviousness” In reply, Manglapus teaches, with respect to col. 10, lines 19-29, that the image controller commands for requesting the notification of certain events occurring at the printer 24 in connection with the print job in which the image controller commands are embedded. The notification of certain events occurring

Art Unit: 2624

includes the sufficient resources such as low toner, paper out, etc. Therefore, the window indicates the sufficient resources to the user when the user commands by selecting icons on the window. The Examiner has established a prima facie case of obviousness.

Applicant asserted on page 5 that " the Examiner mentions nothing about first and second icons, the first indicating sufficient resources are available and the second indicating insufficient resources are available" In reply, Alimpich teaches the pathway access window further comprises a print engine icon, and wherein a print engine information window showing print engine information is displayed when the print engine icon is selected (i.e., a window in fig. 7 displays the printer icon 55 with the options such enable icon, disable icon indicates the sufficient and insufficient resources for a printer and each print job).

For the above reasons, it is believed that the cited prior art fully discloses the claimed invention and the rejection stand.

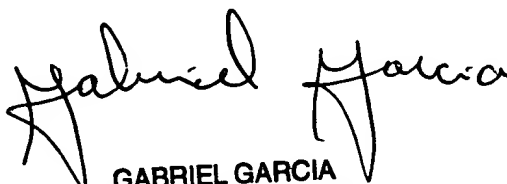
Conclusion

Applicant's arguments with respect to claims 1-9 and 20-26 have been considered but are moot in view of the new ground(s) of rejection. This action is made **non-final**.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas Q. Tran whose telephone number is (703) 305-4857 or E-mail address is Douglas.tran@uspto.gov.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

Douglas Q. Tran
Nov. 25, 2003


GABRIEL GARCIA
PRIMARY EXAMINER